

# Josef Michl

## List of Publications by Year in descending order

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286  
papers

18,512  
citations

18436

62  
h-index

14702

127  
g-index

301  
all docs

301  
docs citations

301  
times ranked

9649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased crystallite size in thin films of C <sub>60</sub> and <i>p</i> -terphenyls via PDMS-assisted crystallization. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5657-5665.	2.7	0
2	Alkanes versus Oligosilanes: Conformational Effects on $\pi$ -Electron Delocalization. <i>Journal of the American Chemical Society</i> , 2022, 144, 463-477.	6.6	6
3	Controlling Symmetry Breaking Charge Transfer in BODIPY Pairs. <i>Accounts of Chemical Research</i> , 2022, 55, 1561-1572.	7.6	19
4	Autobiography of Josef Michl. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1802-1808.	1.1	0
5	Competing Singlet Fission and Excimer Formation in Solid Fluorinated 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27058-27071.	1.5	9
6	Electronic States of 2,3-Diamino-1,4-naphthoquinone and Its N-Alkylated Derivatives. <i>Journal of Physical Chemistry C</i> , 2020, 124, 60-69.	1.5	12
7	Singlet Fission in Thin Solid Films of Bis(thienyl)diketopyrrolopyrroles. <i>ChemPlusChem</i> , 2020, 85, 2689-2703.	1.3	12
8	CB11H10 <sup>+</sup> and Related Carborenes. <i>Inorganic Chemistry</i> , 2020, 59, 12453-12460.	1.9	4
9	Mechanical vs Electronic Strain: Calculated Configurations of Alkynyl-Pt(II)-Phosphine Macrocycles. <i>Organometallics</i> , 2020, 39, 1195-1201.	1.1	2
10	Preparation and redox properties of fluorinated 1,3-diphenylisobenzofurans. <i>Electrochimica Acta</i> , 2019, 321, 134659.	2.6	4
11	Optimal arrangements of 1,3-diphenylisobenzofuran molecule pairs for fast singlet fission. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2112-2124.	1.6	14
12	Effect of Conformation on Electron Localization and Delocalization in Infinite Helical Chains [X(CH <sub>3</sub> ) <sub>2</sub> ] <sub>n</sub> (X = Si, Ge, Sn, and Pb). <i>Journal of the American Chemical Society</i> , 2019, 141, 13101-13113.	6.6	16
13	The Impact of Huge Structural Changes on Electron Transfer and Measurement of Redox Potentials: Reduction of <i>ortho</i> -12-Carborane. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9668-9676.	1.2	5
14	Optimal Arrangements of Tetracene Molecule Pairs for Fast Singlet Fission. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1960-1971.	2.0	13
15	Singlet Fission Rate: Optimized Packing of a Molecular Pair. Ethylene as a Model. <i>Journal of the American Chemical Society</i> , 2019, 141, 17729-17743.	6.6	38
16	Bridge-Chlorinated Bicyclo[1.1.1]pentane-1,3-dicarboxylic Acids. <i>Journal of Organic Chemistry</i> , 2019, 84, 2448-2461.	1.7	15
17	Bulk Inclusions of Double Pyridazine Molecular Rotors in Hexagonal Tris( <i>o</i> -phenylene)cyclotriphosphazene. <i>Journal of Organic Chemistry</i> , 2019, 84, 8449-8467.	1.7	18
18	Unconventional Solar Energy: Singlet Fission. <i>Molecular Frontiers Journal</i> , 2019, 03, 84-91.	0.9	17

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19	Molecular Packing and Singlet Fission: The Parent and Three Fluorinated 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1947-1953.	2.1	25
20	Structure and photophysics of indigoids for singlet fission: Cibalackrot. <i>Journal of Chemical Physics</i> , 2019, 151, 184903.	1.2	40
21	Insertion of Carbenes into Deprotonated nido-Undecaborane, B <sub>11</sub> H <sub>13</sub> (2-). <i>Molecules</i> , 2019, 24, 3779.	1.7	11
22	Mechanical vs Electronic Strain: Oval-Shaped Alkynyl-Pt(II)-Phosphine Macrocycles. <i>Organometallics</i> , 2019, 38, 4633-4644.	1.1	6
23	Singlet fission: the role of molecular packing. <i>Photochemistry</i> , 2019, , 498-516.	0.2	2
24	EPR Spectroscopy of Radical Ions of a 2,3-Diamino-1,4-naphthoquinone Derivative. <i>Journal of Organic Chemistry</i> , 2018, 83, 5474-5479.	1.7	8
25	Asymmetric Choreography in Pairs of Orthogonal Rotors. <i>ACS Omega</i> , 2018, 3, 1293-1297.	1.6	14
26	<i>p</i> -Carborane Conjugation in Radical Anions of Cage-Cage and Cage-Phenyl Compounds. <i>Journal of Physical Chemistry A</i> , 2018, 122, 798-810.	1.1	9
27	Structure of a monolayer of molecular rotors on aqueous subphase from grazing-incidence X-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9373-9378.	3.3	17
28	Molecular Rods: Facile Desymmetrization of 1,4-Diethynylbicyclo[2.2.2]octane. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5137-5142.	1.2	14
29	Magnetic circular dichroism of an unaromatic planar [8]annulene. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3854.	0.9	3
30	Understanding the Effect of Conformation on Hole Delocalization in Poly(dimethylsilane). <i>Journal of the American Chemical Society</i> , 2018, 140, 11158-11160.	6.6	17
31	An MS-CASPT2 Calculation of the Excited Electronic States of an Axial Difluoroborondipyrromethene (BODIPY) Dimer. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 4291-4297.	2.3	21
32	Oxidation of the B <sub>12</sub> and C <sub>B11</sub> Icosahedral Anions. , 2018, , 137-158.		0
33	Mechanism of Surface Alkylation of a Gold Aerogel with Tetra-n-butylstannane-d <sub>36</sub> : Identification of Byproducts. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2339-2343.	2.1	3
34	Low-Temperature PM IRRAS of a Monolayer on Au: Spectra of C <sub>18</sub> D <sub>37</sub> SH. <i>Langmuir</i> , 2017, 33, 5613-5616.	1.6	1
35	Intuitive Understanding of $\pi$ Delocalization in Loose and $\pi$ Localization in Tight Helical Conformations of an Oligosilane Chain. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1250-1263.	1.7	13
36	Anodic Oxidation of 18 Halogenated and/or Methylated Derivatives of C <sub>B11</sub> H <sub>12</sub> . <i>Inorganic Chemistry</i> , 2017, 56, 269-276.	1.9	16

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37	Development of a TDDFT-Based Protocol with Local Hybrid Functionals for the Screening of Potential Singlet Fission Chromophores. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4984-4996.	2.3	57
38	Packing Guidelines for Optimizing Singlet Fission Matrix Elements in Noncovalent Dimers. <i>Journal of the American Chemical Society</i> , 2017, 139, 15572-15575.	6.6	41
39	Singlet Fission and Excimer Formation in Disordered Solids of Alkyl-Substituted 1,3-Diphenylisobenzofurans. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8596-8603.	1.1	32
40	1,3-Diphenylisobenzofuran: a Model Chromophore for Singlet Fission. <i>Topics in Current Chemistry</i> , 2017, 375, 80.	3.0	30
41	Surface Inclusion of Unidirectional Molecular Motors in Hexagonal Tris( <i>o</i> -phenylene)cyclotriphosphazene. <i>Journal of the American Chemical Society</i> , 2017, 139, 10486-10498.	6.6	52
42	IR Spectra of $\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{M}$ (M = Si, Ge, Sn, Pb), $\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{AuPPH}_3$ , and $\text{C}_6\text{H}_5\text{C}_6\text{H}_4$ on a Gold Surface. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4619-4625.	1.1	3
43	Singlet Fission: Optimization of Chromophore Dimer Geometry. <i>Advances in Quantum Chemistry</i> , 2017, 75, 175-227.	0.4	34
44	Bulk Inclusions of Pyridazine-Based Molecular Rotors in Tris( <i>o</i> -phenylenedioxy)cyclotriphosphazene (TPP). <i>Advanced Functional Materials</i> , 2016, 26, 5718-5732.	7.8	21
45	Electronic Transitions in Conformationally Controlled Peralkylated Hexasilanes. <i>ChemPhysChem</i> , 2016, 17, 3010-3022.	1.0	16
46	Electrochemical Hydrogen Oxidation in Toluene/ $\text{LiCB}_{11}\text{Me}_{12}$ : $\text{H}_2$ as a Surrogate for Lithium Metal?. <i>ChemElectroChem</i> , 2016, 3, 332-336.	1.7	1
47	Electrochemical Oxidation of $[\text{1-X-12-CB}_{11}\text{Me}_{10}]^+$ Anions: Formation of Boremium Ylides $[\text{12-Dehydro-1-X-CB}_{11}\text{Me}_{10}]$ and Iodonium Ylide Anions $[\text{12-(1-X-CB}_{11}\text{Me}_{10})^+]$ . <i>Inorganic Chemistry</i> , 2016, 55, 12815-12821.	1.9	8
48	Redox Behavior of 2,3-Diamino-1,4-naphthoquinone and its N-Alkylated Derivatives. <i>Electroanalysis</i> , 2016, 28, 2855-2860.	1.5	7
49	Excitation Localization/Delocalization Isomerism in a Strongly Coupled Covalent Dimer of 1,3-Diphenylisobenzofuran. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3473-3483.	1.1	34
50	Guidance for Mutual Disposition of Chromophores for Singlet Fission. <i>Israel Journal of Chemistry</i> , 2016, 56, 96-106.	1.0	40
51	Electronic Spectra of the Tetraphenylcyclobutadienecyclopentadienylnickel(II) Cation and Radical. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3456-3462.	1.1	2
52	$\text{Li}^+$ Catalysis and Other New Methodologies for the Radical Polymerization of Less Activated Olefins. <i>Chemical Reviews</i> , 2016, 116, 771-785.	23.0	35
53	Fluorinated graphenes as advanced biosensors – effect of fluorine coverage on electron transfer properties and adsorption of biomolecules. <i>Nanoscale</i> , 2016, 8, 12134-12142.	2.8	60
54	Arrays of Molecular Rotors with Triptycene Stoppers: Surface Inclusion in Hexagonal Tris( <i>o</i> -phenylenedioxy)cyclotriphosphazene. <i>Journal of Organic Chemistry</i> , 2015, 80, 6173-6192.	1.7	29

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55	Photocurrent Enhanced by Singlet Fission in a Dye-Sensitized Solar Cell. ACS Applied Materials & Interfaces, 2015, 7, 2286-2293.	4.0	54
56	Time-Resolved Fluorescence Anisotropy of Bicyclo[1.1.1]pentane/Tolane-Based Molecular Rods Included in Tris(o-phenylenedioxy)cyclotriphosphazene (TPP). Journal of Physical Chemistry C, 2015, 119, 8805-8820.	1.5	18
57	Toward (car)borane-based molecular magnets. Theoretical Chemistry Accounts, 2015, 134, 1.	0.5	10
58	Gearing motion in cogwheel pairs of molecular rotors: weak-coupling limit. CrystEngComm, 2015, 17, 7829-7834.	1.3	23
59	The Scope of Direct Alkylation of Gold Surface with Solutions of C <sub>1</sub> –C <sub>4</sub> -Alkylstannanes. Journal of the American Chemical Society, 2015, 137, 12086-12099.	6.6	13
60	Synthesis of Triptycene-Based Molecular Rotors for Langmuir–Blodgett Monolayers. Journal of Organic Chemistry, 2015, 80, 10134-10150.	1.7	22
61	Captodatively Stabilized Biradicaloids as Chromophores for Singlet Fission. Journal of the American Chemical Society, 2015, 137, 165-172.	6.6	87
62	Covalent Dimers of 1,3-Diphenylisobenzofuran for Singlet Fission: Synthesis and Electrochemistry. Journal of Organic Chemistry, 2015, 80, 80-89.	1.7	20
63	Arrays of Dipolar Molecular Rotors in Tris(o-phenylenedioxy)cyclotriphosphazene. Topics in Current Chemistry, 2014, 354, 163-211.	4.0	25
64	Singlet Fission and 1,3-Diphenylisobenzofuran as a Model Chromophore. RSC Energy and Environment Series, 2014, , 324-344.	0.2	7
65	Convenient Small-Scale Preparation of p-Carborane by Pyrolysis of o-Carborane. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 326-330.	0.7	1
66	From Ordinary to Blue Emission in Peralkylated <i>n</i> -Oligosilanes: The Calculated Structure of Delocalized and Localized Singlet Excitons. Journal of Physical Chemistry A, 2014, 118, 10538-10553.	1.1	1
67	Mechanism of Singlet Fission in Thin Films of 1,3-Diphenylisobenzofuran. Journal of the American Chemical Society, 2014, 136, 7363-7373.	6.6	130
68	Electronic Transitions in Conformationally Controlled Tetrasilanes with a Wide Range of SiSiSiSi Dihedral Angles. Chemistry - A European Journal, 2014, 20, 9431-9441.	1.7	15
69	Tris- <i>o</i> -phenylenedioxy cyclotriphosphazene (TPP) Inclusion Compounds Containing a Dipolar Molecular Rotor. Crystal Growth and Design, 2014, 14, 559-568.	1.4	19
70	Two Thin Film Polymorphs of the Singlet Fission Compound 1,3-Diphenylisobenzofuran. Journal of Physical Chemistry C, 2014, 118, 12121-12132.	1.5	85
71	Tetraarylcyclobutadienecyclopentadienylcobalt Complexes: Synthesis, Electronic Spectra, Magnetic Circular Dichroism, Linear Dichroism, and TD DFT Calculations. Organometallics, 2014, 33, 3251-3264.	1.1	9
72	Formation of <i>n</i> -Alkyl Monolayers by Organomercury Deposition on Gold. Journal of Physical Chemistry Letters, 2013, 4, 2624-2629.	2.1	12

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73	Evidence for an Intermediate in the Methylation of CB <sub>11</sub> H <sub>12</sub> with Methyl Triflate: Comparison of Electrophilic Substitution in Cage Boranes and in Arenes. ChemPlusChem, 2013, 78, 1174-1183.	1.3	14
74	Update 1 of: Chemistry of the Carba-closo-dodecaborate(âˆ’) Anion, CB <sub>11</sub> H <sub>12</sub> . Chemical Reviews, 2013, 113, PR179-PR233.	23.0	184
75	Isoflurane as a solvent for electrochemistry. Electrooxidation study of icosahedral carborane anions in four different solvents. Journal of Electroanalytical Chemistry, 2013, 689, 257-261.	1.9	6
76	Inclusion Compound Based Approach to Arrays of Artificial Dipolar Molecular Rotors: Bulk Inclusions. Journal of Organic Chemistry, 2013, 78, 1768-1777.	1.7	24
77	Inclusion Compound Based Approach to Forming Arrays of Artificial Dipolar Molecular Rotors: A Search for Optimal Rotor Structures. Advanced Materials, 2013, 25, 443-448.	11.1	18
78	The Role of Chromophore Coupling in Singlet Fission. Accounts of Chemical Research, 2013, 46, 1290-1299.	7.6	235
79	Alkylation of Gold Surface by Treatment with C <sub>18</sub> H <sub>37</sub> HgOTs and Anodic Hg Stripping. Journal of the American Chemical Society, 2013, 135, 5669-5677.	6.6	11
80	Recent Advances in Singlet Fission. Annual Review of Physical Chemistry, 2013, 64, 361-386.	4.8	862
81	Toward Designed Singlet Fission: Solution Photophysics of Two Indirectly Coupled Covalent Dimers of 1,3-Diphenylisobenzofuran. Journal of Physical Chemistry B, 2013, 117, 4680-4695.	1.2	117
82	Five Stereoactive Orbitals on Silicon: Charge and Spin Localization in the Si <sub>4</sub> Me <sub>10</sub> Radical Anion by Trigonal Bipyramidalization. Journal of Physical Chemistry Letters, 2013, 4, 1649-1653.	2.1	3
83	Crystalline Arrays of Pairs of Molecular Rotors: Correlated Motion, Rotational Barriers, and Space-Inversion Symmetry Breaking Due to Conformational Mutations. Journal of the American Chemical Society, 2013, 135, 9366-9376.	6.6	92
84	Highly Branched Polyisobutylene by Radical Polymerization under Li[CB <sub>11</sub> (CH <sub>3</sub> ) <sub>12</sub> ] Catalysis. Macromolecules, 2012, 45, 9250-9257.	2.2	16
85	Fifth Stereoactive Orbital on Silicon: Relaxation of the Lowest Singlet Excited State of Octamethyltrisilane. Journal of Physical Chemistry A, 2012, 116, 10507-10517.	1.1	5
86	The 16 CB <sub>11</sub> (CH <sub>3</sub> ) <sub>12</sub> Radicals with 5-Fold Substitution Symmetry: Spin Density Distribution in CB <sub>11</sub> Me <sub>12</sub> . Inorganic Chemistry, 2012, 51, 10819-10824.	1.9	24
87	Search for a Small Chromophore with Efficient Singlet Fission: Biradicaloid Heterocycles. Journal of the American Chemical Society, 2012, 134, 14624-14631.	6.6	99
88	Measured and Calculated Oxidation Potentials of 1-X-12-Y-CB <sub>11</sub> Me <sub>10</sub> Anions. Inorganic Chemistry, 2012, 51, 5128-5137.	1.9	28
89	Inclusion Compound Based Approach to Arrays of Artificial Dipolar Molecular Rotors. A Surface Inclusion. Journal of the American Chemical Society, 2012, 134, 10122-10131.	6.6	84
90	Friction in Carborane-Based Molecular Rotors Driven by Gas Flow or Electric Field: Classical Molecular Dynamics. ACS Nano, 2012, 6, 1901-1914.	7.3	54

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91	HCB11(CF3)nF11-n <sup>-</sup> : Inert Anions with High Anodic Oxidation Potentials. Journal of the American Chemical Society, 2011, 133, 4123-4131.	6.6	43
92	Oxidatively Induced Concurrent Cationic and Radical Polymerization of Isobutylene in the Presence of LiCB <sub>11</sub> Me <sub>12</sub> . Journal of the American Chemical Society, 2011, 133, 7801-7809.	6.6	28
93	Covalent Stabilization: A Sturdy Molecular Square from Reversible Metal-Ion-Directed Self-Assembly. Journal of the American Chemical Society, 2011, 133, 20108-20111.	6.6	15
94	Towards an artificial leaf?. Nature Chemistry, 2011, 3, 268-269.	6.6	63
95	Radical polymerization of 1-alkenes catalyzed by lithium salts of carboranes. Journal of Polymer Science Part A, 2011, 49, 2018-2023.	2.5	12
96	Toward Designed Singlet Fission: Electronic States and Photophysics of 1,3-Diphenylisobenzofuran. Journal of Physical Chemistry A, 2010, 114, 1457-1473.	1.1	98
97	Singlet Exciton Fission for Solar Cell Applications: Energy Aspects of Interchromophore Coupling. Journal of Physical Chemistry B, 2010, 114, 14223-14232.	1.2	126
98	Maximizing Singlet Fission in Organic Dimers: Theoretical Investigation of Triplet Yield in the Regime of Localized Excitation and Fast Coherent Electron Transfer. Journal of Physical Chemistry B, 2010, 114, 14168-14177.	1.2	219
99	Singlet Fission. Chemical Reviews, 2010, 110, 6891-6936.	23.0	1,639
100	Microwave-Assisted Alkylation of [CB <sub>11</sub> H <sub>12</sub> ] <sup>-</sup> and Related Anions. Inorganic Chemistry, 2010, 49, 10247-10254.	1.9	31
101	High Triplet Yield from Singlet Fission in a Thin Film of 1,3-Diphenylisobenzofuran. Journal of the American Chemical Society, 2010, 132, 16302-16303.	6.6	236
102	Lithium Salts of [1,12-Dialkyl-CB <sub>11</sub> Me <sub>10</sub> ] <sup>-</sup> Anions. Inorganic Chemistry, 2010, 49, 10255-10263.	1.9	25
103	Mercury-Mediated Attachment of Metal-Sandwich-Based Axial Molecular Rotors to Gold Surfaces. Journal of Physical Chemistry C, 2010, 114, 14050-14060.	1.5	16
104	Preparation of Covalent Long-Chain Trialkylstannyl and Trialkylsilyl Salts and an Examination of their Adsorption on Gold. Langmuir, 2010, 26, 8483-8490.	1.6	23
105	T-Shaped Molecular Building Blocks by Combined Bridgehead and Bridge Substitution on Bicyclo[1.1.1]pentanes. Journal of Organic Chemistry, 2010, 75, 2350-2356.	1.7	15
106	Conformational Dependence of $\sigma$ -Electron Delocalization in Linear Chains: Permethylated Oligosilanes. Chemistry - A European Journal, 2009, 15, 8504-8517.	1.7	60
107	Semiempirical $\sigma$ -electron models for the calculation of MCD B terms for systems with approximate alternant pairing symmetry. MCD of biphenylene. International Journal of Quantum Chemistry, 2009, 14, 419-431.	1.0	0
108	Optical spectroscopy on partially oriented samples. International Journal of Quantum Chemistry, 2009, 24, 471-482.	1.0	0

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109	Molecular Rotors and Motors: Recent Advances and Future Challenges. ACS Nano, 2009, 3, 1042-1048.	7.3	277
110	Molecular Rotors on Au(111): Rotator Orientation from IR Spectroscopy. Journal of Physical Chemistry C, 2009, 113, 20698-20704.	1.5	21
111	Calculations of Lithium+ Carborane Complexes. , 2008, , .		0
112	Interpretation of the Electronic Spectra of Four Disilanes. Journal of Physical Chemistry A, 2008, 112, 13095-13101.	1.1	9
113	Education as a Top Priority for the American Chemical Society. Journal of Chemical Education, 2008, 85, 1339.	1.1	0
114	Coordination-Driven Face-Directed Self-Assembly of Trigonal Prisms. Face-Based Conformational Chirality. Journal of the American Chemical Society, 2008, 130, 7620-7628.	6.6	100
115	Chemistry of the three-dimensionally aromatic CB11 cage. Pure and Applied Chemistry, 2008, 80, 429-446.	0.9	19
116	The Sixteen CB11HnMe12-n-Anions with Fivefold Substitution Symmetry: Anodic Oxidation and Electronic Structure. Journal of the American Chemical Society, 2007, 129, 12960-12980.	6.6	68
117	Adsorption of Tentacled Tetragonal Star Connectors, C4R4CoC5(HgX)5, on Mercury. Langmuir, 2007, 23, 930-935.	1.6	6
118	Synthesis of the Isolable Biradicals $\text{C}(\text{CH}_3)_2\text{C}(\text{C}(\text{CH}_3)_2)\text{C}(\text{BCH}_3)_2$ and $\text{trans-C}(\text{CH}_3)_2\text{C}(\text{CH}_3)\text{C}(\text{BCH}_3)_2$ . Journal of Organic Chemistry, 2007, 72, 2351-2356.	1.7	34
119	Aromatic Substitution with Hypercloso C(BCH3)11: A New Mechanism. Journal of the American Chemical Society, 2007, 129, 4172-4174.	6.6	18
120	Investigating Direct Alkynylation at the Bridgehead of Bicyclic Cages Using Silver(I) Acetylides. European Journal of Organic Chemistry, 2007, 2007, 241-248.	1.2	23
121	Coupling between Substituents as a Function of Cage Structure: Synthesis and Valence Ionized States of Bridgehead Disubstituted Parent and Hexafluorinated Bicyclo[1.1.1]pentane Derivatives C5X6Y2. Chemistry - an Asian Journal, 2007, 2, 1007-1019.	1.7	2
122	Electronic excitation in a syn-tetrasilane: 1,1,2,2,3,3, 4,4-octamethyltetrasilacyclopentane. Theoretical Chemistry Accounts, 2007, 118, 81-87.	0.5	9
123	Singlet Fission for Dye-Sensitized Solar Cells: Can a Suitable Sensitizer Be Found?. Journal of the American Chemical Society, 2006, 128, 16546-16553.	6.6	375
124	cis-endo-Bicyclo[1.1.1]pentane-1,2,3,4- tetracarboxylic Acid and Its Derivatives. Organic Letters, 2006, 8, 749-752.	2.4	12
125	Calculation of Relative Energies of Permethylated Oligosilane Conformers in Vapor and in Alkane Solution. Journal of Physical Chemistry B, 2006, 110, 25485-25495.	1.2	12
126	CB11Me11Boronium Ylides: Carba-closo-dodecaboranes with a Naked Boron Vertex. Journal of the American Chemical Society, 2006, 128, 6089-6100.	6.6	37

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127	Chemistry of the Carba-closo-dodecaborate( $\text{C}_{11}\text{H}_{12}^-$ ) Anion, $\text{CB}_{11}\text{H}_{12}^-$ . Chemical Reviews, 2006, 106, 5208-5249.	23.0	243
128	Preparation of undecamethylated and hexamethylated 1-halocarba-closo-dodecaborate anions. Heteroatom Chemistry, 2006, 17, 217-223.	0.4	15
129	MCD of non-aromatic cyclic $\pi$ -electron systems. Part 6: Pentalenes and heptalenes. International Journal of Quantum Chemistry, 2005, 102, 925-939.	1.0	12
130	Surface-mounted altitudinal molecular rotors in alternating electric field: Single-molecule parametric oscillator molecular dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14175-14180.	3.3	92
131	Self-Assembled Trigonal Prismatic Altitudinal Rotors with Triptycene Paddle Wheels. Collection of Czechoslovak Chemical Communications, 2005, 70, 1970-1985.	1.0	20
132	Spin-orbit coupling in biradicals. 5. Zero-field splitting in triplet dimethylnitrenium, dimethylphosphenium and dimethylarsenium cations. Molecular Physics, 2005, 103, 407-411.	0.8	15
133	Toward Self-Assembled Surface-Mounted Prismatic Altitudinal Rotors. A Test Case: Trigonal and Tetragonal Prisms. Journal of Organic Chemistry, 2005, 70, 5442-5448.	1.7	39
134	Artificial Molecular Rotors. Chemical Reviews, 2005, 105, 1281-1376.	23.0	1,119
135	One-Electron Reduction of an $\pi$ -Extended Viologen-Phenylene-bis-4,4'-(1-aryl-2,6-diphenylpyridinium) Dication. Journal of Physical Chemistry A, 2005, 109, 10862-10869.	1.1	43
136	An azanorbornadiene anchor for molecular-level construction on silicon(100). Nanotechnology, 2004, 15, 324-332.	1.3	22
137	Magnetic circular dichroism of peralkylated tetrasilane conformers. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10517-10522.	3.3	9
138	A New Type of Intermediate, $\text{C}^+(\text{BCH}_3)_3$ $\text{C}(\text{BCH}_3)_3$ , in a Grob Fragmentation Coupled with Intramolecular Hydride Transfer. A Nonclassical Carbocation Ylide or a Carbenoid?. Journal of the American Chemical Society, 2004, 126, 15795-15801.	6.6	31
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283	Altitudinal Surface-Mounted Molecular Rotors. , 0, , 63-97.		38
284	Electrochemical Langmuir Trough. , 0, , 1277-1282.		0
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